

# FM DEMODULATOR INCLUDING A DC OFFSET DETECTOR

## Abstract

An FM demodulator has a differential output demodulator for receiving an FM signal and for outputting a positive differential signal and a negative differential signal of a demodulated signal of the FM signal, a DC offset detector electrically connected to the differential output demodulator for generating a DC offset signal according to peak signals of the positive differential signal and the negative differential signal, and a correction circuit electrically connected to the differential output demodulator and the DC offset detector to compensate for the demodulated signal according to the DC offset signal .